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Woodard, Emhardt....

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WOODARD, EMHARDT, NAUGHTON, MORIARTY & MCNETT
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FAX COVER SHEET

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SPECIAL REMARKS: Re: USPN 09/438.206 Filed Nov. 11/12/99 Riyi Shi et al.

Attached is a copy of the Petition for Corrected Filing Receipt that was sent to the Patent Office on March 21, 2000. Please add the parent provisional application's serial number and filing date on the filing receipt (60/108,145 filed November 12, 1998). Also, the word "Method" in the title of the application should be "Methods". If you have any questions concerning this request, please feel free to call the undersigned.

Please send the corrected filing receipt at your earliest convenience to the attorney of record.

Thank you.

Kim Richardson

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March 21, 2000

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Name of Registered Representative



Signature

March 21, 2000

Date of Signature

NOV 28 2000

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:)
Riyi Shi et al.)
Serial No. 09/438,206)
Filed: November 12, 1999) Group Art Unit 1623
METHODS AND COMPOSITIONS FOR)
TREATING MAMMALIAN SPINAL)
CORD INJURIES) March 21, 2000

PETITION FOR CORRECTED FILING RECEIPT

Assistant Commissioner for Patents
Washington, D.C. 20231
ATTN: Office of Initial Patent Examination's Customer Service Center

Sir:

Please include the parent provisional application's filing date and serial number on the filing receipt in order to correctly reflect the parentage of this patent application. This information appears on the first page of the specification of this application, a copy of which is attached herewith for your convenience.

Also, please note that "METHOD" in the title of this application, as it currently appears on the filing receipt, should be "METHODS". This can also be found on the first page of the attached patent application's specification.

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Please issue a corrected filing receipt for this application.

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Respectfully submitted,

By _____

~~Jason J. Schwartz~~

Reg. No. 43,910

Woodard, Emhardt, Naughton,

Moriarty & McNett

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COPY

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7024-427:PUR-100:66597

METHODS AND COMPOSITIONS FOR TREATING MAMMALIAN SPINAL CORD INJURIES

5

This invention was made with government support under grant number DAMD17-94-J-4242 awarded by the Department of the Army and grant number BES9631560 awarded by the National Science Foundation. The Government has certain rights in the invention.

10

CROSS-REFERENCE TO RELATED APPLICATIONS

The present application claims the benefit of U.S. Provisional Application Serial Number 60/108,145, filed on November 12, 1998, which is hereby incorporated by reference in its entirety.

15

BACKGROUND OF THE INVENTION

The present invention relates generally to methods for treating an injured spinal cord. Specifically, the invention relates to methods for treating an injured spinal cord that include contacting the spinal cord with a biomembrane fusion agent. Pharmaceutical compositions for treating an injured spinal cord are also described.

The devastating effects of injury to the mammalian spinal cord are not immediate. Severe mechanical injury initiates a delayed destruction of spinal cord tissue producing a loss in nerve impulse conduction associated with a progressive local dissolution of nerve fibers (axons) [Honmou, O. and Young, W. (1995) *The Axon* (Waxman, S.G., et al., Eds.) pp. 480-529, Oxford University Press, New York; Griffin, J.W. et al. (1995) *The Axon* (Waxman, S.G., et al., Eds.) pp. 375-390, Oxford University Press, New York]. This loss of sensory and motor communication across the injury site can produce a permanent paralysis and loss of sensation in regions below the level of the spinal injury. Furthermore, it is clear the most damaging effects of progressive "secondary injury" [Young, W. (1993) *J. Emerg. Med.* 11:13-22] of spinal cord parenchyma relative to the loss of behavioral

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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTORNEY DOCKET NO.	DRWGS	TOT CL	IND CL	500/2900
09/438,206	11/12/99	1623	\$843.00	7024-427-PUR	14	21	TECH CEN	3

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Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts of Application" ("Missing Parts Notice") in this application, please submit any corrections to this Filing Receipt with your reply to the "Missing Parts Notice." When the PTO processes the reply to the "Missing Parts Notice," the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s) RIYI SHI, WEST LAFAYETTE, IN; RICHARD B. BORGENS,
 DELPHI, IN.

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 TITLE
 METHODS AND COMPOSITIONS FOR TREATING MAMMALIAN SPINAL CORD INJURIES

PRELIMINARY CLASS: 514

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FEB 04 2000

Woodard, Emhardt, Moriarty & McNamara

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Bib Data Sheet

SERIAL NUMBER 09/438,206	FILING DATE 11/12/1999 RULE	CLASS 514	GROUP ART UNIT 1614 1617	ATTORNEY DOCKET NO. 7024-427-PUR
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APPLICANTS

RIYI SHI, WEST LAFAYETTE, IN ;
RICHARD B. BORGENS, DELPHI, IN ;

** CONTINUING DATA *****

~~Priority~~ 514 60/108,145 filed 11/12/98

** FOREIGN APPLICATIONS *****

~~None~~ 514 1/04/01

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Foreign Priority claimed <input type="checkbox"/> yes <input checked="" type="checkbox"/> no	STATE OR COUNTRY IN	SHEETS DRAWING 14	TOTAL CLAIMS 21	INDEPENDENT CLAIMS 3
35 USC 119 (a-d) conditions met <input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> Met after Allowance				
Verified and Acknowledged <i>[Signature]</i> Examiner's Signature	Initials			

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